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New Claims

1. Method for measuring radio-interference levels
within a given frequency range, wherein the
10 frequency range is adjusted in a pre-measurement;
wherein a measuring level of the signal to be
measured is detected at each measuring frequency and
compared with a limit value; wherein the level
measured at the respective measuring frequency is
15 marked as the radio-interference level, if the limit
value is exceeded by the measuring level; and
wherein each marked radio-interference level is
measured more accurately with regard to its
respective runtime performance in a post-
20 measurement,

characterised in that

the for detecting of a frequency drift mid-frequency
of the measuring-frequency range of the post-
measurement, which is repeated cyclically in
25 alternation with the pre-measurement, is tracked,
for each marked radio-interference level, to the
mean frequency of the changing radio-interference
level just determined in the preceding pre-
measurement.

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2. Method for measuring radio-interference levels
according to claim 1,
characterised in that
the measuring level of each radio-interference
35 level, which varies relative to the preceding pre-

measurement with regard to its frequency and/or its measuring level, is determined in each pre-measurement, which is repeated cyclically in alternation with the post-measurement.

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3. Method for measuring radio-interference levels according to claim 1 or 2,

characterised in that

10 the frequency range in the pre-measurement is adjusted within a given frequency grid.

4. Method for measuring radio-interference levels according to any one of claims 1 to 3,

characterised in that

15 the measuring level of the respective radio-interference level is measured in a second measuring runtime of the post-measurement several times repeatedly by comparison with a first measuring runtime of the pre-measurement.

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5. Method for measuring radio-interference levels according to claim 4,

characterised in that

25 a level evaluated according to one of several variable evaluation methods is determined from the measuring levels for each marked radio-interference level sampled repeatedly in the post-measurement.

6. Device for measuring radio-interference levels according to any one of claims 1 to 4,

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wherein the device comprises a functional spectrum-analyser unit (15) for identifying radio-interference levels and determining the mean

frequency of the identified radio-interference
levels within the context of a pre-measurement,
a functional measurement-receiver unit (16) for the
multiple sampling of the measuring level of the
radio-interference level identified by the
functional spectrum-analyser unit (15) and for
statistical evaluation of the sampled measuring
levels within the context of a post-measurement and
a micro-computer, which is prepared to control the
device in a manner that all features of claim 1 are
performed.